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Janette Rau 9/12/01

Was encountered at ~8' bgs.
Backfill trench TR-4 and
decon bucket.

Talk to lab - They will send
additional samples via
to Portland on Greyhound
bus.

1015 Mamie Brower discovered
additional containers on
east edge of landfill -
gasoline containers, glass
jars. Soil appears stained
and there is an odor
of paint or paint thinner.
PID maximum ~ 650, breathing
zone 0.

1045 Collect samples by hand:
SS-033-01, analyze for
VOCs, SVOCs,pest. & PCBs, metals,
cyanide, & TPH.

Operator excavating soil
visibly stained and placing
on plastic sheeting.

1130 Uncovered miscellaneous

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Containers such as plastic
jars (12 oz) with oil, lid on
but leaking (2 jars), rusted
& deteriorated paint cans
paint thinner can (approx 10
gloss jars/bottles cans)

1145

Complete removing obviously
stained soil & bottles/jars
etc. that contain material.
Continue excavating to
attempt to reach native
material (Trench T-5).

1200

Native material at 4' bgs,
Collect sample SS-033-04
for same analyses as
shallow sample.

1230

Break for lunch.
Backfill TR-5 & clear
path to SS-5 in ditch.
Show Umatilla samples in
shed to Mamie Brower.
She indicated to collect
2 composite samples from
remaining buckets instead

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of one. (plus duplicate).

There are 2 discrete samples instead of 4.

Mark remaining soil sample locations at landfill.

1345 Discover 2 more drums -
Ed staged them in designated location.

1430 Ed Clark off site.
Discuss groundwater sampling with Mamie: 3 options:

- try to get another QED controller
- try to get variance for leaving mantrawells in longer than 72 hours.

• use peristaltic pump to sample
We are unable to get the QED controller we ordered for rental due to flight shutdown throughout country since Tues.

Mamie called Seattle district to see if we can use their controller.

(Mamie left messages)

1530 Andy Zabel offsite to pick up

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delivery at Greyhound Bus Station.

1600 Collect sample SS-005-01 in drainage ditch east of landfill.

1630 Collect sample US-001 from bucket 2/2 of 94 BH 2A for SVOCs, Pest/PCBs, metals, explosives, agents breakdown.

1655 Collect sample US-002 from bucket 1/2 of 94 BH 4B (same analyses).

1730 Depart site

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0730 Janett Rau & Andy Zabel (NPS) on site. Mamie Brouwer (USACE Seattle) on site.

0930 Andy Zabel off site to pick up QED pump controllers and bottles at Sound. (at Ft Lewis)
Collect US-003 - JNR composite sample from the following buckets:

- 1) 94 BH 7B, ~~2/2~~ 1/2
- 2) 94 BH 1A 1/2
- 3) 94 BH 6A 2/2
- 4) 94 BH 6A 1/2
(94 BH 7A (bag))
- 5) 94 BH 9A (bag)
- 6) 94 BH 8A (bag)
(94 BH 5A (bag))
- 7) 94 BH 6B (blue)
- 8) ~~94 BH 4A 1/3~~
- 9) 94 BH 1B 2/2
- 10) 94 BH 8C 2/2

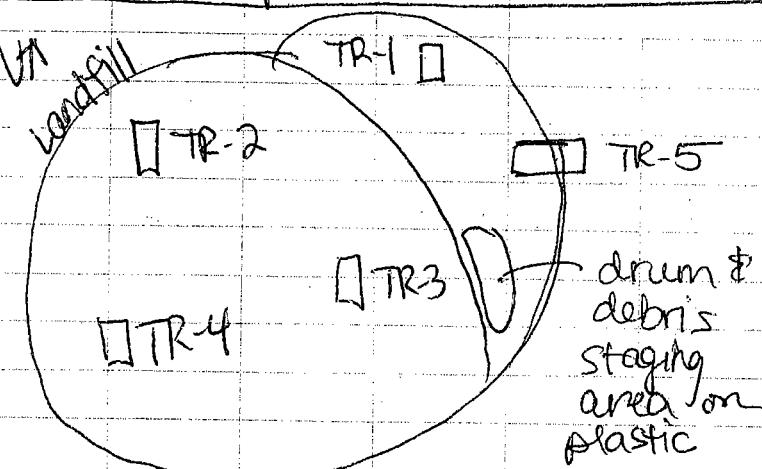
Composite sample US-004 & duplicate US-304 (see page 39)

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Discovered another bucket for 94 BH 4A, so collect discreet from this bucket:

- 1010 US-003 (+ MS/MSD)
SVOCs, Pest & PCBs, metals (ts/u)
explosive agents.
- 1025 Collect rh site sample US-1603, same analyses.
- 1130 Collect sample US-004 and duplicate US-304, same analyses (time = 1150)
- 1200 Break for lunch
- 1230 Begin developing microwells. Set up at ML-5. continued →



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Using peristaltic pump
with Tygon® tubing
& Horiba U-22 with flow
through cell. Filling out
Well Development Data sheet.
Measuring Temp, pH, DO,
ORP, turbidity & specific
conductance. Need to
reuse silicon thick wall
tubing in peristaltic pump
because tubing delivery
halted due to terrorist
activity on Tues. Starting
with potentially least-
contaminated microwell
and working to potentially
most contaminated.

1520 Set up at MC-4.

1620 Complete MC-4, set up at MC-3.
Begin MC-3.

~~1720~~ Complete MC-3, set up at
MC-1.

1750 Begin MC-1 development.

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1840 Complete MC-1, set up on
MC-2

1845 Begin MC-2 development

1930 Complete development.
2000 Depart site.

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- 0700 Janette Rau on site. Work today will include completing soil and sediment sampling, and begin water sampling. Wells likely will be decommissioned.
- 0730 Collect composite sample US-005 from remaining 7 Umatilla soil buckets:
- 94 BH 2B 1/2
 - 94 BH 8B 1/2
 - 94 BH 6B 2/2
 - 94 BH 3B 2/2
 - 94 BH 7C 1/2
 - { 94 BH 10A (bag)
94 BH 10B (bag)
94 BH 9B (bag)
94 BH 9C (bag)}
- One bucket

- 0800 General housekeeping, get ice for samples, figure out pump (Steve Wesley & Andy Zabel on site). Steve & Andy begin sampling.

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- 1000 MW-1, background well, including MS/MSD.
- 1045 Collect sample SS-022-01 using trowel, spoon, & bowl. VOCs collected directly from hole using syringe. Analyses: VOCs, SVOCs, Pesticides, PCBs, Metals + strontium & uranium, cyanide.
- 1140 Collect sample SS-023-01 at N toe of landfill, plus duplicate SS-323-01, time = 1145, same analyses
- 1210 Collect rinseate blank SS-623-01 for cyanide & VOCs.
- 1230 Break for lunch.
- 1330 Collect sample SS-024-01, same analyses as above.
- Discussed concrete samples with Mamie Brower: agreed to collect concrete from one drum for

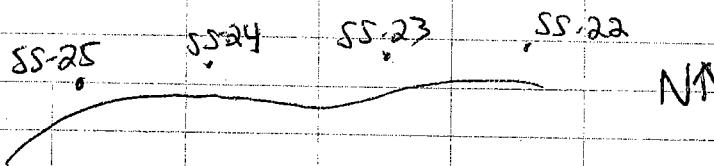
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primary, duplicate, and MS/MSD. We will discuss mod later re: disposal of ~20 drums instead of 10, and sampling / analyzing small containers of (?) oil / paint thinner / product (?), and disposal of stockpile of contaminated soil and debris.

1420 Collect sample SS-025-01, same analyses as # 22, 23, 24. These 4 soil sample locations are at the N toe of landfill:



23 & 24 are at locations of where drum was located (in footprint); all collected at ~6" + bgs,

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1530

Collect sample of sediment at base of concrete sump. Sump is ~6' deep, and sediment is ~3" thick. Sediment collected from shallow end of sump (north) using teflon cup on ~9' of rods. MS/MSD volume collected

1540

Collect duplicate of sediment from same bowl of composted material. VOCs collected prior to composting.

Analyses: VOCs, SVOCs, Pest, PCBs, metals, cyanide

1730

Collect concrete sample DC-001 from a drum staged in landfill, plus MS/MSD & duplicate (DC-301) (time = 1745).

1740

Drum inventory:

55-gallon with concrete: 13

~35-gallon with concrete: 8

~~Other~~ empty 55-gal: 2

Other empty (< 5 gall): 7

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Also, there are ~3 cu of soil, rock, debris. stained or otherwise obviously contaminated on plastic that needs disposal. Covered with plastic & rocks, too.

- Steve Wesley off site.

Steve & Andy sampled:

MW-1 (+ MS/MSD)

MC-37

MC-4 (microwells on west

MC-5) side of bldg.

Analyses: VOCs, SVOCs, Pest, PCBs, metals + strontium and uranium, cyanide

~~1045~~ Set up at MC-1, in the drainage ditch, begin pumping.

19340 Sample MC-001, same analyses as previous.

2000 Depart site.

Note: samples collected in fill material in landfill generally effervesced when added to sodium bisulfate preservative for VOCs, presumably due to concrete presence.

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0800 J. Rau & Mamie Brower on site. Re-ice samples with fresh ice.

measure water levels:

0845	MW-1	15.49'	btoc (N side)
	MC-3	12.38	
	MC-4	11.87	
	MC-5	11.66	
	MC-1	10.21	
	MC-2	10.88	
	MW-2	13.63	
	MW-3	10.72	grass plug
	MW-4	12.62	in wells
	MW-5	12.48	
	MW-6	12.47	grass in well

0900 Set up at MC-2 to sample groundwater. Steve Wesley on site. Mamie Brower offsite briefly to get battery for water quality indicator. Calibrated instrument.

1025 Collect Sample MC-002, and duplicate MC-302,

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(Time = 1050)

1130 Collect rinsate blank
MC-002 from decontamination
pump & fresh bladder.

Setup at MW-2.

1240 Collect sample MW-002.

Setup at MW-6 at NW
edge of landfill. There is
grass on water level tape
and slight pressure was
felt when uninstalling the
pump, so grass present
in this well like in MW-3
& MW-4.

Note: in all wells sampled,
pump ^{intake} was positioned
in center between water
table & base of well;
screen length typically
15' and water level ~~at~~
~12' bgs.

1410 Collect sample MW-005
Set up at MW-005

Mamie Brower cut fence.

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1540 Collect sample MW-005,
Complete Sampling.Load VAN with all
soil & samples.

- Close up 3 drums
of IOD (stored in former oil
storage bldg)
1 soil

- 2 purge & decoy water
(both multiple locations)

- all 3 drums labeled
with grease paint

- Close up buckets of umatum
soil. Buckets not sampled
due to coarseness of material.

- 1) 94-BH-4C 2/2

Cobbles

- 2) 94-BH-8C 1/2

fine

- 3) 94-BH-6A 2/2

gravel (clean)

- 4) 94-BH-1B 1/2

to cobble

- 5) 94-BH-2B

4" diam.

- 6) 94-BH-1A 2/2

- 7) 94-BH-3A 1/2

- 8) 94-BH-3A 2/2

- 9) 94-BH-6B 1/2

- 10) 94-BH-8B 2/2

- 11) 94-BH-1B

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Buckets from which
discrete samples were to
be collected but were not
due to coarseness of
material:

- 1) 94-BH-4A (med. gravel)
- ~~abundant~~ 2) 94-BH-4A (fine cobbles)
- 3) 94-BH-3A (gravel to med. cobbles)
- 5) 94-BH-4B (med. cobbles)
- ~~abundant~~ 6) 94-BH-2AB (med. cobbles)

1730 Depart site for Seattle.
Samples will be delivered
to lab on Monday 9/17/01.

1/8/02

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Product Sampling

1230 Arrive at site, enter through
landfill fence.

Weather: overcast, breezy,
~50°F.

Purpose today: sample
material in small containers
staged at landfill for
disposal purposes.

1300 Segregated material/containers
into 2 general types:

- 1) white and/or orange
paint/grease (ie solid)
- 2) oil / liquid (some viscous)

- took photos

- 4 containers each type
Used clean stainless steel
bowls & spoons to collect
equal parts from each
container to composite
each type.

1315 Solid paint or grease-like
material: 2 of the 4 jars
(note: 8oz jars?) (glass)

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contain solid dried paint - not included in sample. Remaining 2 jars combined to make sample PD-001. (see photo)
 Filled 1/2 each of 2 VOTS pre-mixing, plus 1/2 of 8-oz jar post-mixing.
 Consistency & color of liquid caramel.

1340 Liquid, oily material
 - one 8 oz jar (glass), 3 plastic containers (8 oz & 12 oz)
 - Collected PD-002 and ~~PD-003~~ PD-302 in same manner as PD-001.

PD-302 is duplicate of PD-002, time 1350.

Material is black, free-flowing with sheen & globules. (see photo of sample in jars).

1410 Complete sampling & cleaning up.
 Fill out chain of custody.
 1430 Depart site to lab (STL) to drop off samples.

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1305 Arrive at site (Janette Rau and Larry Namba)
 Picked up bottles & QED pump controller/compressor on way. Plan today is to sample monitoring wells MW-3 & MW-4 that were unable to be sampled previously in Sept. 2001. Tomorrow we will work with disposal contractor to remove drums of concrete & other debris in landfill plus IDW in former haz. waste storage shed.

1315 Don Hunt & Scott _____ of Envirotech on site to view material to dispose of tomorrow. Showed them area in landfill & building. Spoke with employee of City of Troutdale sewage treat-